marantz®

PMD680

Portable PC Card Recorder

Computer Compatible Recording

The PMD680 is a monaural audio recorder that records high-quality digital audio files that can be immediately transferred to a computer for archiving, editing, or uploading to the Internet. Simply insert a recorded PC Card into your computer's PC Card slot. It's that easy.

PC Card Recording

The PMD680's Type III PC Card slot is compatible with both compact flash (using an adaptor) and ATA-size PC Cards. This media is widely available at computer and electronics retailers. The slot is designed to accept future PCMCIA memory options.

The Flash Memory Advantage

Highly reliable flash memory PC Cards contain no moving parts and are impervious to temperature extremes and shock which might damage recordings.

Selectable File Format

Compressed MP2 digital audio files recorded on the PMD680 can be stored as MP2 (.mp2) or in the Broadcast Wave standard (.bwf).

The PMD680 also allows uncompressed recording (PCM) in the true wave (.wav) file format.

Custom Playback Sequence

The PMD680 uses an on-the-fly marking system for placing reference marks during recording. These marked points can be easily searched during playback, or used to create a custom playback sequence that doesn't alter the original recorded files.

Professional Interface

The PMD680 provides an XLR and 1/4" Mic Input (with -15/-30 dB attenuator). A Telephone Jack is available for recording phone conversations or playback. This jack also passess through live recording signals to a telephone line.

More Features

- 2-Second Pre-Record Buffer (continuously records audio before record button is pressed)
- Time/Date Generator
- Manual, Manual with Limiter, and Automatic Record Level Control (ALC)
- Band or high-pass ANC Filter (helps eliminate unwanted background noise)
- Silent Skip (pauses recording during silences - defeatable)
- Backlit LCD Display
- Coaxial Digital Output
- RCA Analog Line In and Out
- Built-In Microphone
- Built-In Speaker

This rugged and compact digital recorder is specially designed for high-quality monaural voice recording. It uses the modern media of PC Cards that come in a variety of sizes. A 440 MB card, for example, provides you with up to 27 hours of MP2 audio or 1 1/2 hours wave file uncompressed audio.

Specifications

Recording System

Usable media ....Approved PCMCIA PC Cards*

Number of channels.... ....1 (mono)

Recording and reading methods:
  MPEG1 Layer II compression (MP2)
  16-bit linear uncompressed (PCM)

Recording bit rate (Selectable by preset):
  LP: 128, 64, 48, 32 kbps
  MP: 192, 128, 64, 48 kbps
  SP: 768, 192, 128, 64 kbps

Sampling frequency ....48 kHz

Amount of memory needed per hour of recording:

Format	Bit Rate (kbps)	MB / Hour
MP2	32 kbps	16 MB
	48 kbps	25 MB
	64 kbps	33 MB
	128 kbps	67 MB
	192 kbps	100MB
PCM	768 kbps	400 MB

*See our website for a list of approved PC Cards

Frequency response...........................0 -22,000 Hz ±0.5 dB
Signal-to-noise ratio (A-Wtd)......................................>95 dB
Total harmonic distortion (at 0 VU)..................... <0.03%
Dynamic range..>85dB

Inputs/Outputs

XLR + 1/4″ mic input................................3.08mV/9kΩ
RCA line input..308mV/47kΩ
RJ-11 Telephone Input...........................0.5Vp-p/1.6kΩ
RJ-11 Telephone Output...........................0.24Vp-p/720Ω
RCA line output..2 V/2kΩ
Coaxial RCA digital output (SPDIF format) 0.5Vp-p/75Ω
Headphone output 15mW/32Ω
Speaker output...200mW

General

Power requirements..................................13V DC/1.0A
Dimensions
  Height...2.0″ (50.8mm)
  Width...10.4″ (264.2mm)
  Depth..7.3″ (185.4mm)
Weight..2.9 lbs. (1.3kg)

Specifications are based on measurement conditions and proper care for the machine, and are subject to change without notice.